FIG.1

AUTOMATIC MACHINE
101

AUTOMATIC MACHINE
101

. . . .

102

103

NORMAL
TRANSACTION-USE
HOST
(MAIN FRAME)

WEB SERVER

FIG.2

FIG.3

AUTOMATIC MACHINE — 101

GROUP OF PROCESSING STATE (STATE) TABLE — 301

STATE TABLE ACQUIRING SECTION — 304

WEB TRANSACTION CONTROL SECTION — 303

CONTROL ONLY <u>TRANSACTIONS</u> <u>RELATED TO WEB IN</u> <u>ACCORDANCE WITH</u> <u>PROCESSING STATES</u>

• WEB TRANSACTION PROCESS

NORMAL TRANSACTION CONTROL SECTION — 302

• PROCESS WAITING FOR CARD INSERTION
• ID INPUT PROCESS
• TRANSACTION SELECTION PROCESS
• AMOUNT INPUT PROCESS
• HOST CONFIRMATION PROCESS
• MEDIUM OUTPUT PROCESS

NORMAL TRANSACTION-USE HOST WEB SERVER, ETC.
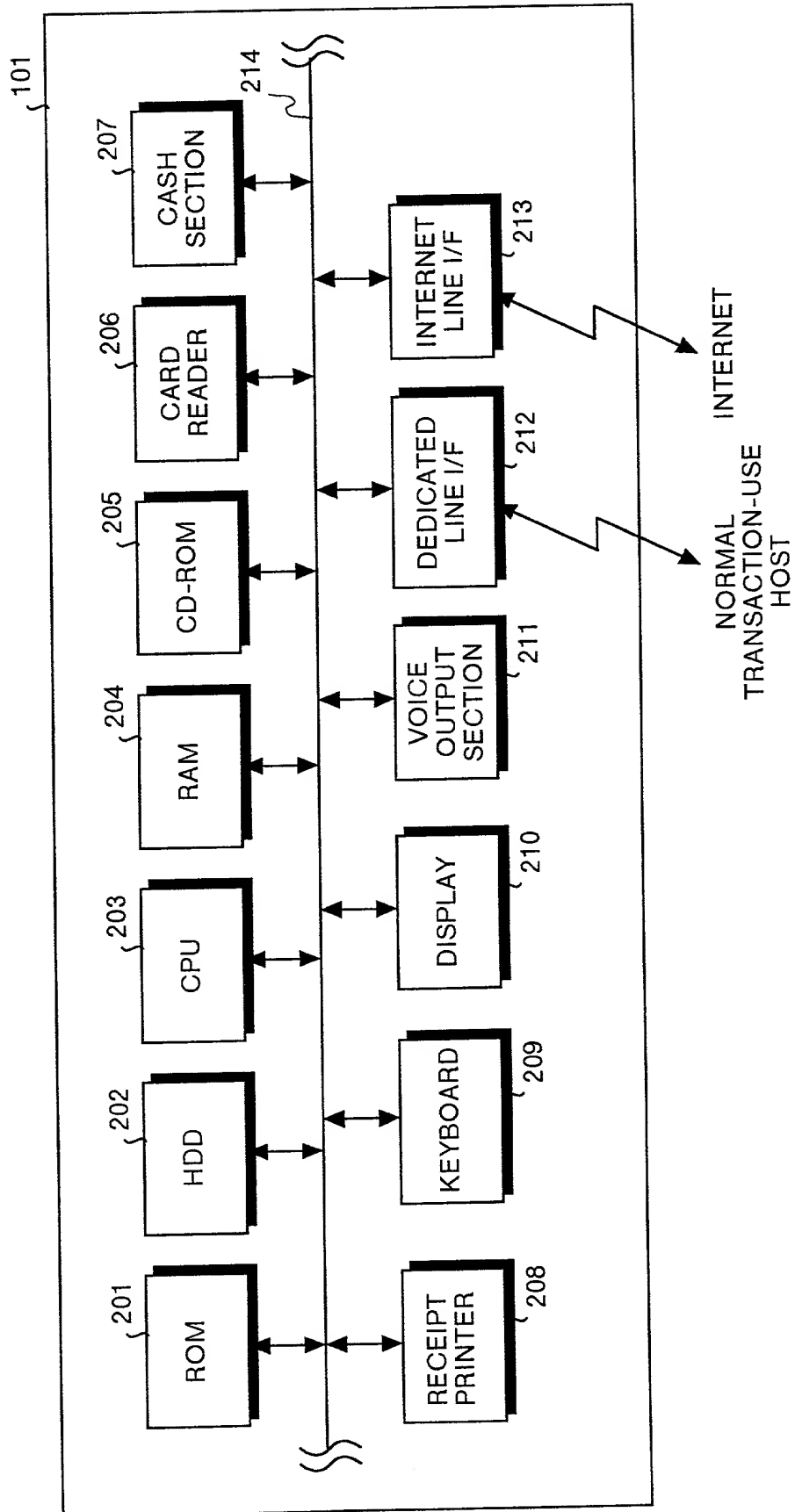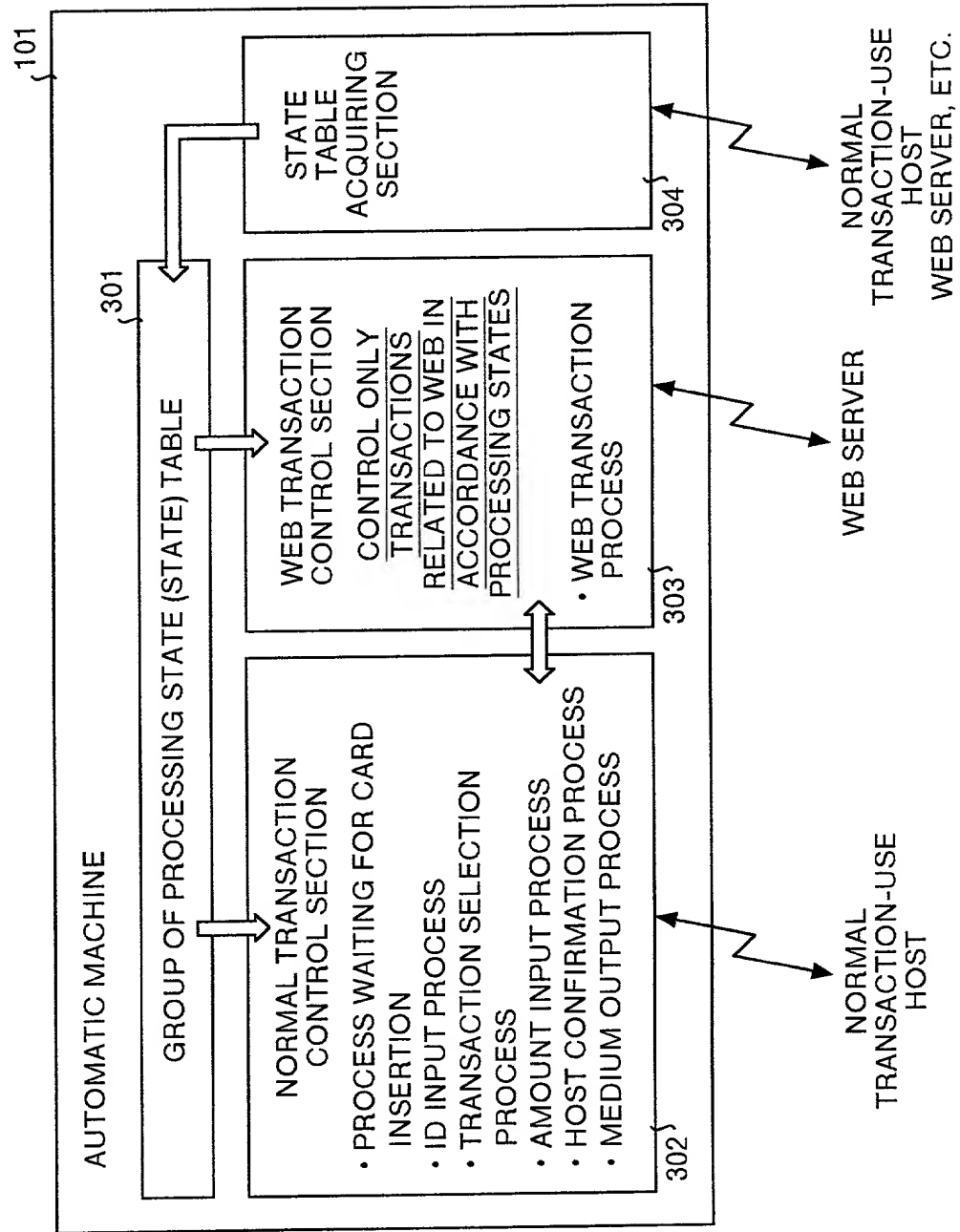
WEB SERVER

NORMAL TRANSACTION-USE HOST

FIG.4

"000A010010090002002002001001"
"001Z012198240015000000000000"
"008S010011012010011012010009"
"009Z011012010011255255255255"
"010B012255172015172012015003"
"011B007255172015196013015003"
"012B008255172015196013015003"
"014B013255172160196013160003"
"015D021000000001000000000000"
"016_021051052053054055056017"
"017Z056055054053052051021056"
"021E021255172022022022022000"
"022E022255172255026026026001"
"023Y023190015352091234231000"
"024Y024190015353091234231000"

"000	A	010 010 090 002 002 002 001 001"
STATE NUMBER	STATE TYPE	STATE PARAMETER

FIG.5

ENTRY	DEFINITION
1 STATE TYPE	ASCII 'w' WEB TRANSACTION-USE STATE TYPE
2 SCREEN NUMBER	(Range 000-999). SPECIFY SCREEN DISPLAYED UPON ACCESSING WEB SERVER. NO DISPLAY ON AUTOMATIC MACHINE AT THE TIME OF 000
3 EXTENSION FILE NUMBER	(Range 000-999). DEFINE EXTENSION FILE NUMBER IN WHICH URL TO WHICH AUTOMATIC MACHINE NAVIGATE, TIMER TIME, URL IN THE EVENT OF ERROR, ETC. ARE DEFINED. FILE NAME: URLxxx.dat xxx: FIGURE DEFINED
4 SCREEN NUMBER UPON PRINTING RECEIPT	(Range 000-999). SCREEN NUMBER UPON PRINTING RECEIPT
5 SCREEN NUMBER UPON OUTPUTTING RECEIPT	(Range 000-999). SCREEN NUMBER UPON OUTPUTTING RECEIPT
6 NEXT STATE NUMBER AT THE TIME OF WEB_SUCCESS	NORMAL COMPLETION OF WEB TRANSACTION NEXT STATE NUMBER UPON (WEB_SUCCESS)
7 NEXT STATE NUMBER AT THE TIME OF WEB_WARNING, WEB_TIMEOUT, WEB_CANCEL	NEXT STATE NUMBER UPON COMPLETION OF WEB TRANSACTION WITH CODE WEB_WARNING, WEB_TIMEOUT or WEB_CANCEL
8 SCREEN NUMBER UPON DISPLAY TIME OUT AT FIRST NAVIGATION	(Range 000-999). SCREEN NUMBER IN THE EVENT OF TIME OUT AT FIRST URL NAVIGATION TIMER USED IS DEFINED IN EXTENSION FILE DEFINED BY ENTRY 3.
9 EXTENSION STATE NUMBER	(Range 000-999). NUMBER OF EXTENSION STATE

FIG.6

ENTRY	DEFINITION
1 STATE TYPE	ASCII 'Z' EXTENSION STATE TYPE
2 NEXT STATE NUMBER IN THE EVENT OF DISPLAY TIME OUT AT FIRST NAVIGATION	DEFINE SCREEN NUMBER IN THE EVENT OF TIME OUT AT FIRST URL NAVIGATION. TIMER USED IS DEFINED IN EXTENSION FILE DEFINED BY ENTRY 3 OF WEB TRANSACTION STATE 'W' .
3 NEXT STATE NUMBER UPON WEB_FATAL OR WEB_SUSPEND	NEXT STATE NUMBER UPON COMPLETION OF WEB TRANSACTION WITH A CODE WEB_FATAL OR WEB_SUSPEND
4 Reserved	
5 Reserved	
6 Reserved	
7 Reserved	
8 Reserved	
9 Reserved	

FIG.7

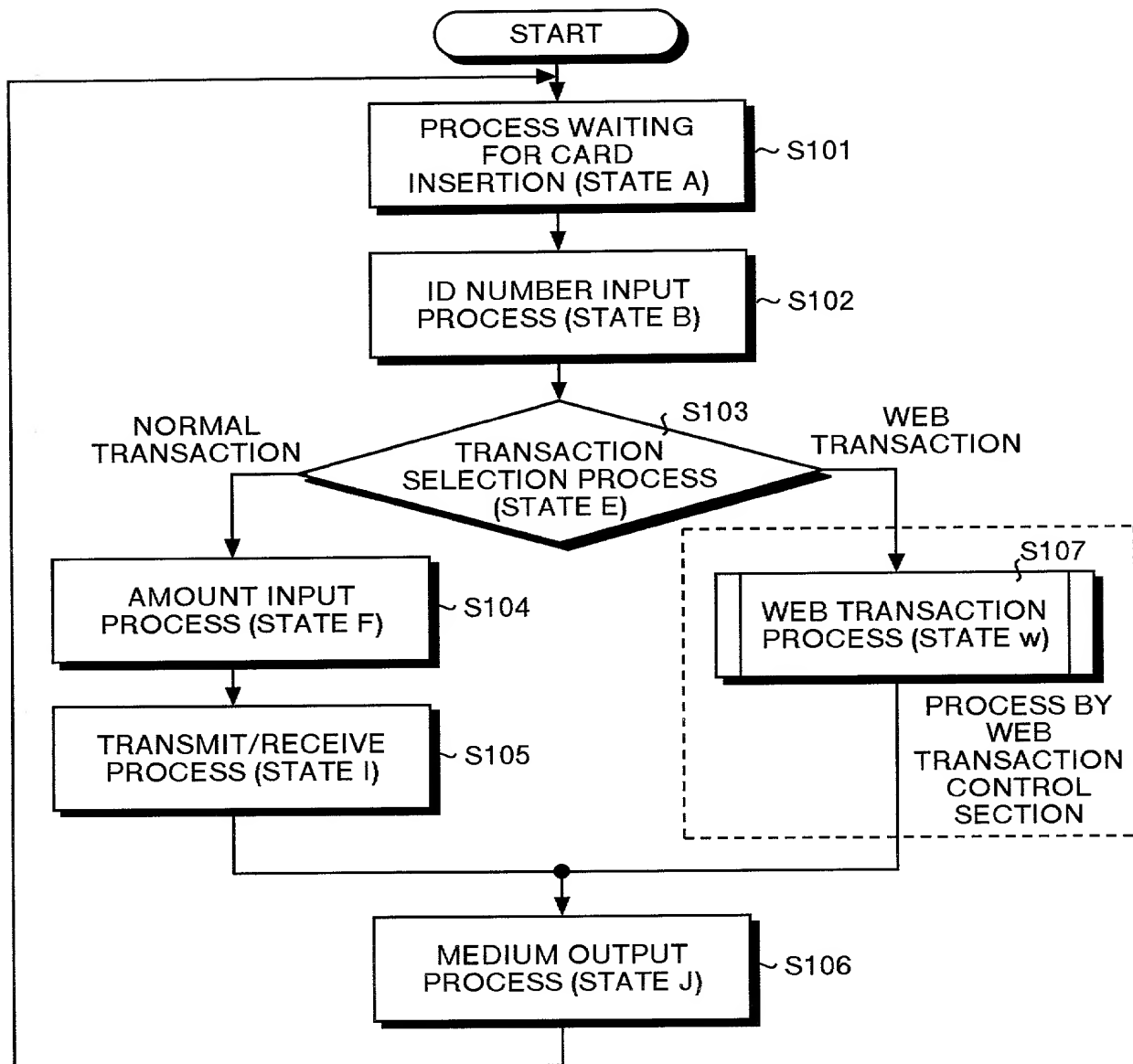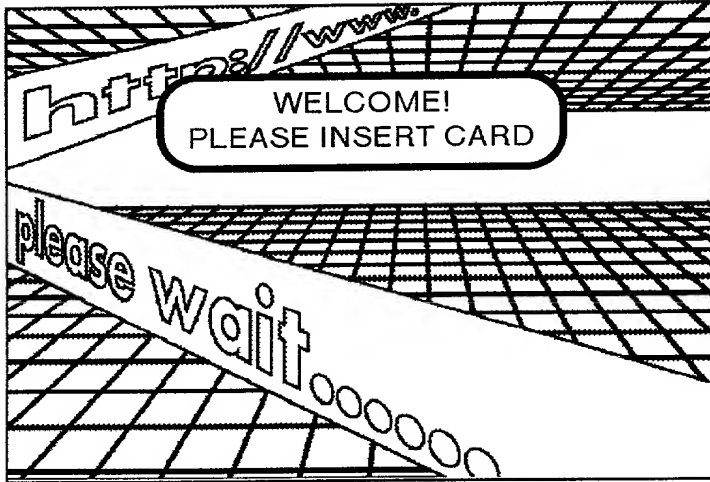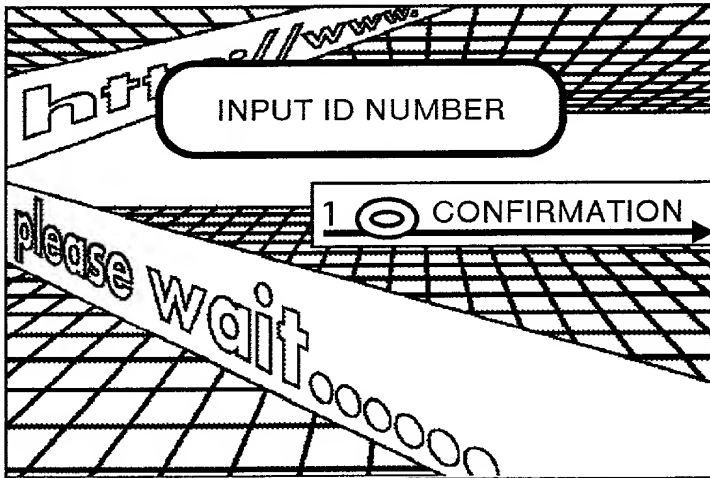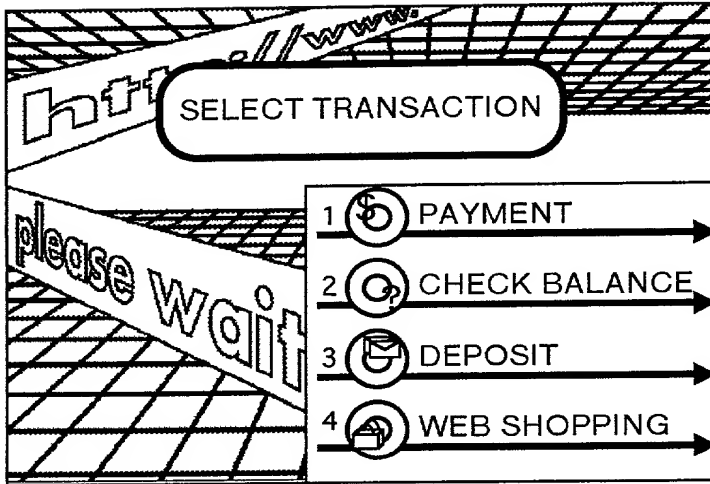| "Number"	"250"
"URL"	"http://xxx.xxx.co.jp/index.htm"
"Timer"	"30000"
"Error URL"	"http://yyy.yyy.co.jp/errprint.htm"
"Error URL Timer"	"30000"
"TimeoutScreen Display Time"	"5000"

FIG.8

START

PROCESS WAITING
FOR CARD
INSERTION (STATE A) ~ S101

ID NUMBER INPUT
PROCESS (STATE B) ~ S102

NORMAL
TRANSACTION

S103

TRANSACTION
SELECTION PROCESS
(STATE E)

WEB
TRANSACTION

AMOUNT INPUT
PROCESS (STATE F) ~ S104

WEB TRANSACTION
PROCESS (STATE w) S107

PROCESS BY
WEB
TRANSACTION
CONTROL
SECTION

TRANSMIT/RECEIVE
PROCESS (STATE I) ~ S105

MEDIUM OUTPUT
PROCESS (STATE J) ~ S106

FIG.9

WELCOME!
PLEASE INSERT CARD

PROCESS
WAITING FOR
CARD INSERTION
(A-state)

FIG.10

INPUT ID NUMBER

1 ◎ CONFIRMATION

ID NUMBER
INPUT PROCESS
(B-state)

FIG.11

SELECT TRANSACTION

1 PAYMENT

2 CHECK BALANCE

3 DEPOSIT

4 WEB SHOPPING

please wait

TRANSACTION
SELECTION
PROCESS
(E-state)

FIG.12

SELECT AMOUNT OF MONEY

1 $20

2 $40

3 $80

4 $100

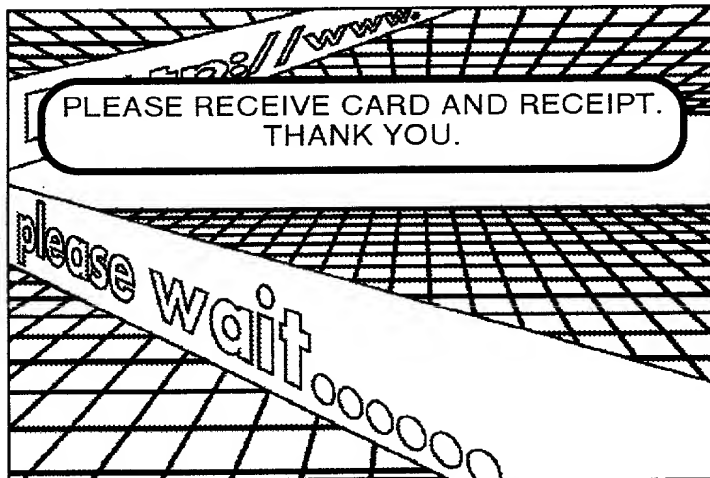please wait
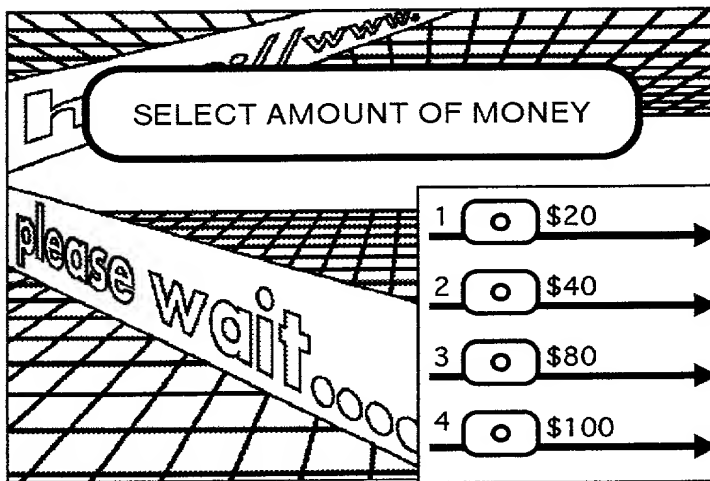
AMOUNT INPUT
PROCESS
(F-state)

FIG.13
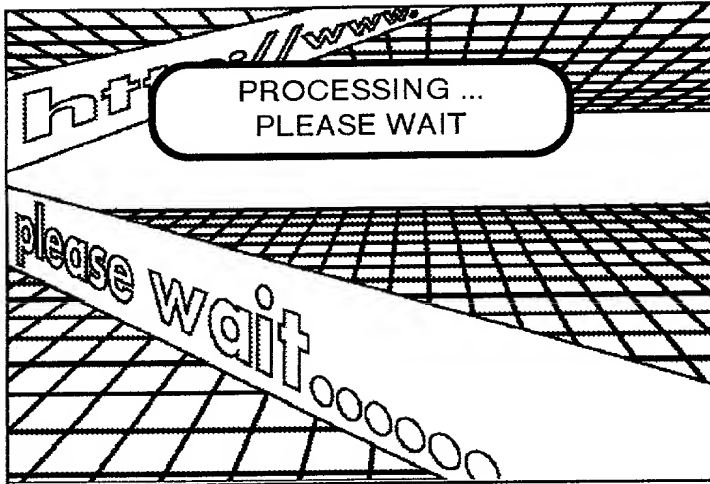
TRANSMIT/
RECEIVE
PROCESS
(I-state)

FIG.14

MEDIUM OUTPUT
PROCESS
(J-state)

TO PROCESS WAITING FOR
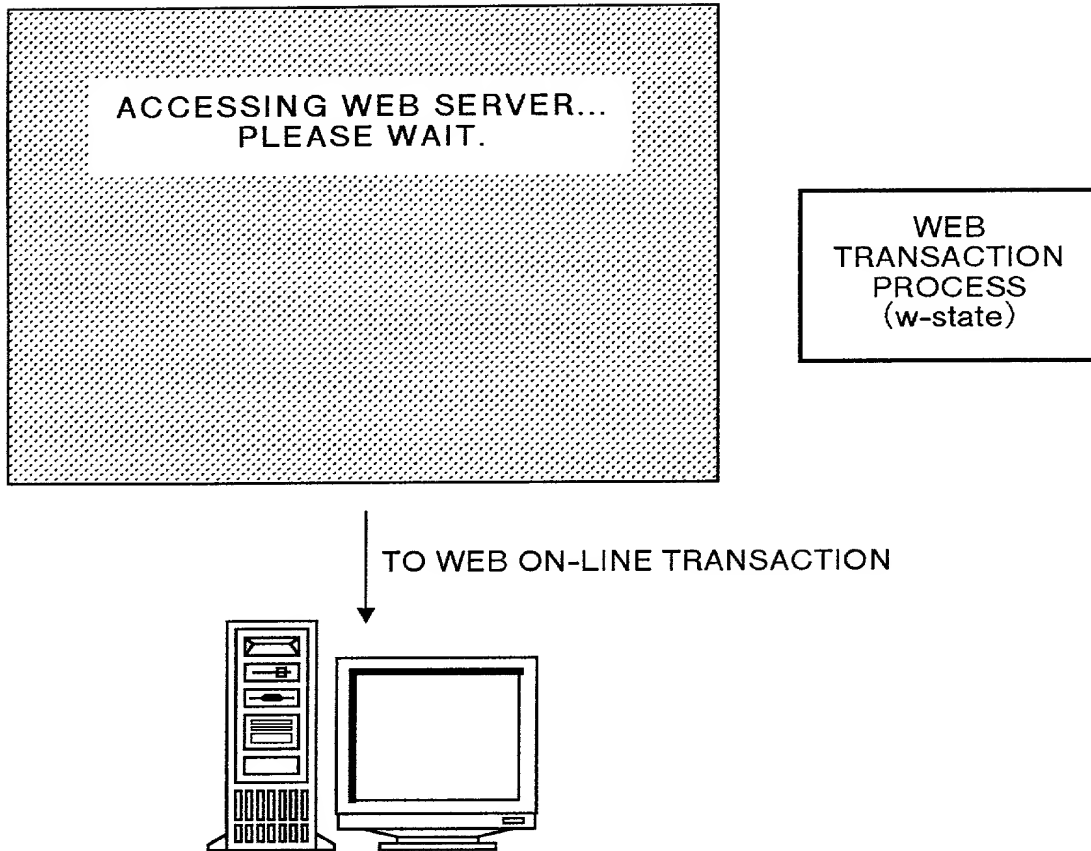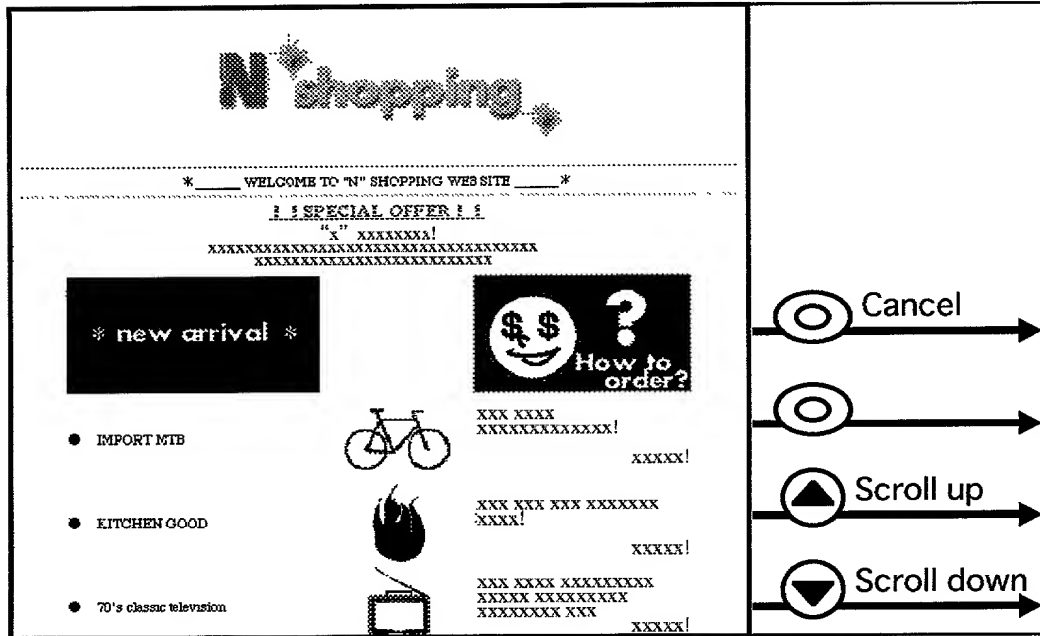CARD INSERTION
(NORMAL TRANSACTION)

FIG.15

ACCESSING WEB SERVER...
PLEASE WAIT.

WEB
TRANSACTION
PROCESS
(w-state)

TO WEB ON-LINE TRANSACTION

FIG.16

ON-LINE TRANSACTION ON WEB

FIG.17

101

AUTOMATIC MACHINE

103

WEB SERVER

WEB TRANS-ACTION CONTROL SECTION

DIAL UP S201

S202 WEB-USE PROCESS GENERATION

WEB DATA SERVER

HTML

S203 DATA SETTING (CARD DATA, LANGUAGE/ PROCESS TYPE, ETC.)

REQUEST TO MONITOR COMPLETION OF WEB TRANSACTION S204

NAVIGATE TO URL SPECIFIED BY PROCESSING STATE TABLE

NAVIGATE

S205

S206

ACQUIRE NECES-SARY DATA

NAVIGATE

INFORM COMPLETION OF WEB TRANSACTION S208

S207

SET COMPLETION INFORMATION /INFORM COMPLETION

COMPLETE WEB-USE PROCESS

S209

DISCONNECT COMMUNICATION

S210